

CLAIMS

What is claimed is:

1. A method of providing a repulsive force from a gravitating mass comprising the steps of:
 - 5 providing an element of matter;
 - forming said element of matter such that its spatial velocity function has negative curvature wherein a repulsive force away from said gravitating mass is created;
 - applying energy from an energy source to said
 - 10 element of matter having a spatial velocity function having negative curvature;
 - applying a field from a field source to said element of matter having a spatial velocity function having negative curvature;
 - 15 receiving the repulsive force on said field source from the said element of matter in response to the force provided by said gravitating mass and said element of matter.
2. The method of claim 1, wherein said step of providing an
- 20 element of matter comprises the step of providing an electron.
3. The method of claim 2, wherein the step of forming comprises the step of
 - providing an electron beam and a neutral atom
 - 25 beam; and
 - providing the intersection of said beams such that the electrons form hyperbolic electrons.
4. The method of claim 3, wherein
 - the radius of each electron according to the de
 - 30 Broglie wavelength equals the radius of each neutral atom.
5. The method of claim 1, wherein the step of applying energy from an energy source to said element of matter having a spatial velocity function having negative curvature comprises,
 - 35 the acceleration of the negatively curved element of matter by an electric field.
6. The method of claim 1, wherein the step of receiving said

repulsive force on said field source from said element of matter in response to the force provided by said gravitating mass and said element of matter comprises,

- providing an electric field which produces a force
- 5 on the said element of matter having a spatial velocity function having negative curvature which is in a direction opposite that of the force of the gravitating body on the element of matter.
7. The method of claim 6, further including the step of
- 10 applying the received repulsive force to a structure movable in relation to said gravitating means.
8. The method of claim 7, further including the step of rotating said structure around an axis providing an angular momentum vector of said circularly rotating structure
- 15 parallel to the central vector of the gravitational force by said gravitating mass.
9. The method of claim 8, further including the step of changing the orientation of said angular momentum vector to accelerate said structure through a trajectory parallel to the
- 20 surface of said gravitating mass.
10. Apparatus for providing repulsion from a gravitating body comprising:
- an element of matter;
- means of forming said element of matter such
- 25 that its spatial velocity function has negative curvature wherein a repulsive force away from said gravitating mass is created;
- means of applying energy to said element of matter having a spatial velocity function having negative
- 30 curvature;
- means of applying a field to said element of matter having a spatial velocity function having negative curvature;
- 35 matter having a spatial velocity function having negative curvature in response to said applied field is impressed on said means for applying the field in a direction away from

said gravitating body.

11. The method of claim 10, wherein said element of matter comprises an electron.

12. The method of claim 11, wherein the means of forming
5 comprises

an electron beam and a neutral atom beam;
wherein the beams intersect such that the electrons form
hyperbolic electrons.

13. The method of claim 12, wherein
10 the radius of each electron according to the de
Broglie wavelength equals the radius of each neutral atom.

14. The method of claim 10, wherein the means of applying
energy from an energy source to said element of matter
having a spatial velocity function having negative curvature
15 comprises,

a means to accelerate the negatively curved
element of matter.

15. The means of claim 14 to accelerate the negatively
curved element of matter comprising,

20 a means to provide an electric field.

16. The apparatus of claim 10, wherein the means to apply a
field to provide a repulsive force against the element of
matter having a spatial velocity function having negative
curvature and receive the repulsive force on said element of
25 matter by said gravitating mass comprises,

an electric field means which produces a force on
the said element of matter having a spatial velocity function
having negative curvature which is in a direction opposite
that of the force of the gravitating body on the element of
30 matter.

17. The apparatus of claim 10, further including

a circularly rotatable structure having a moment
of inertia; and

means for applying said repulsive force to
35 circulating rotatable structure, wherein

the angular momentum vector of said circularly
rotatable structure is parallel to the central vector of the

a means to change the orientation of said angular momentum vector to accelerate said circularly rotatable

19. Apparatus for providing a repulsion from a gravitating body having:

means for applying a field to said element of matter having a spatial velocity function having negative curvature, wherein

15 a repulsive force is developed by said element of matter having a spatial velocity function having negative curvature in response to said applied field and is impressed on said means for applying the field in a direction away from said gravitating body.